

**Station KLTM-DT • Allotted DTV Channel 19, Requested DTV Channel 13  
Monroe, Louisiana**

**Statement of Hammett & Edison, Inc., Consulting Engineers**

The firm of Hammett & Edison, Inc., Consulting Engineers, has been retained by Louisiana Educational Television Authority (“LETA”), licensee of Station KLTM-DT, Facility ID No. 38589, Monroe, Louisiana, to provide additional technical information with respect to the proposed DTV interference agreement between KLTM-DT and Station KETZ-DT, DTV Channel 12, El Dorado, Arkansas.

**Background**

In its FCC Form 382 filing, LETA elected DTV Channel 13, its existing analog NTSC channel, for KLTM-DT, in lieu of its presently assigned DTV Channel 19. Station KETZ-DT was previously assigned DTV Channel 30 (with no paired NTSC channel), but in January 2005 its proposed amendment to DTV Channel 12 was approved by the Commission (MB Docket No. 04-282). Subsequent to that grant, in March 2005, a construction permit application was granted that increased the KETZ-DT power and modified its azimuth pattern. The FCC letter of June 7, 2005, to LETA specified interference of 1.8% to KETZ-DT and 0.3% to Station KETG-DT, DTV Channel 13, Arkadelphia, Arkansas.

**Proposed Conditions**

The proposed KLTM-DT Channel 13 post-transition operation is specified in the technical summary of accompanying Figure 1. This proposed operation completely eliminates interference with KETG-DT. Interference to the permitted KETZ-DT facility is reduced to 1.48%. The proposed DTV Channel 13 operation of Station KLTM-DT is the only known change since the revised KETZ-DT allotment channel was granted earlier this year. Thus, the cumulative interference to KETZ-DT also would be 1.48%. The contour map and tabulation of accompanying Figure 2 demonstrate that six DTV stations, including KLTM-DT, are predicted to provide coverage to all KETZ-DT interference cells, while two other DTV stations are predicted to provide service to most KETZ-DT interference cells. The contours shown are based on facility operations selected in the November 2004 FCC Form 381 filings, and do not necessarily represent operation on specific post-transition DTV channels.



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**List of Figures**

In carrying out these engineering studies, the following attached figures were prepared under my direct supervision:

1. Summary of proposed KLTM-DT post-transition operating conditions
2. Remaining DTV services in predicted loss area.

August 10, 2005



*Stanley Salek*  
Stanley Salek, P.E.

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**Engineering Specifications of Proposed DTV Channel 13 Operation**

**A. Transmitter Site**

FCC Tower Registration No.	1040625
Geographical Coordinates	32° 11' 50" N
(NAD27)	92° 04' 14" W
Approximately 4.8 km (3 mi.) north-northeast of Riverton, Louisiana	

**B. Height**

Elevation of site above mean sea level	19.3 m
Height of tower plus appurtenances above site	604.7 m
Overall height above mean sea level	624.0 m
Effective height of antenna above site	550.7 m
Effective height of antenna above mean sea level	570.0 m
Height of radiation center above average terrain	544.0 m

**C. Antenna**

Make/model	Dielectric, Type TW-15B13R(S)	traveling wave
Direction of main lobe		omnidirectional
Electrical beam tilt		0.8°
Mechanical down tilt		none
Polarization		horizontal

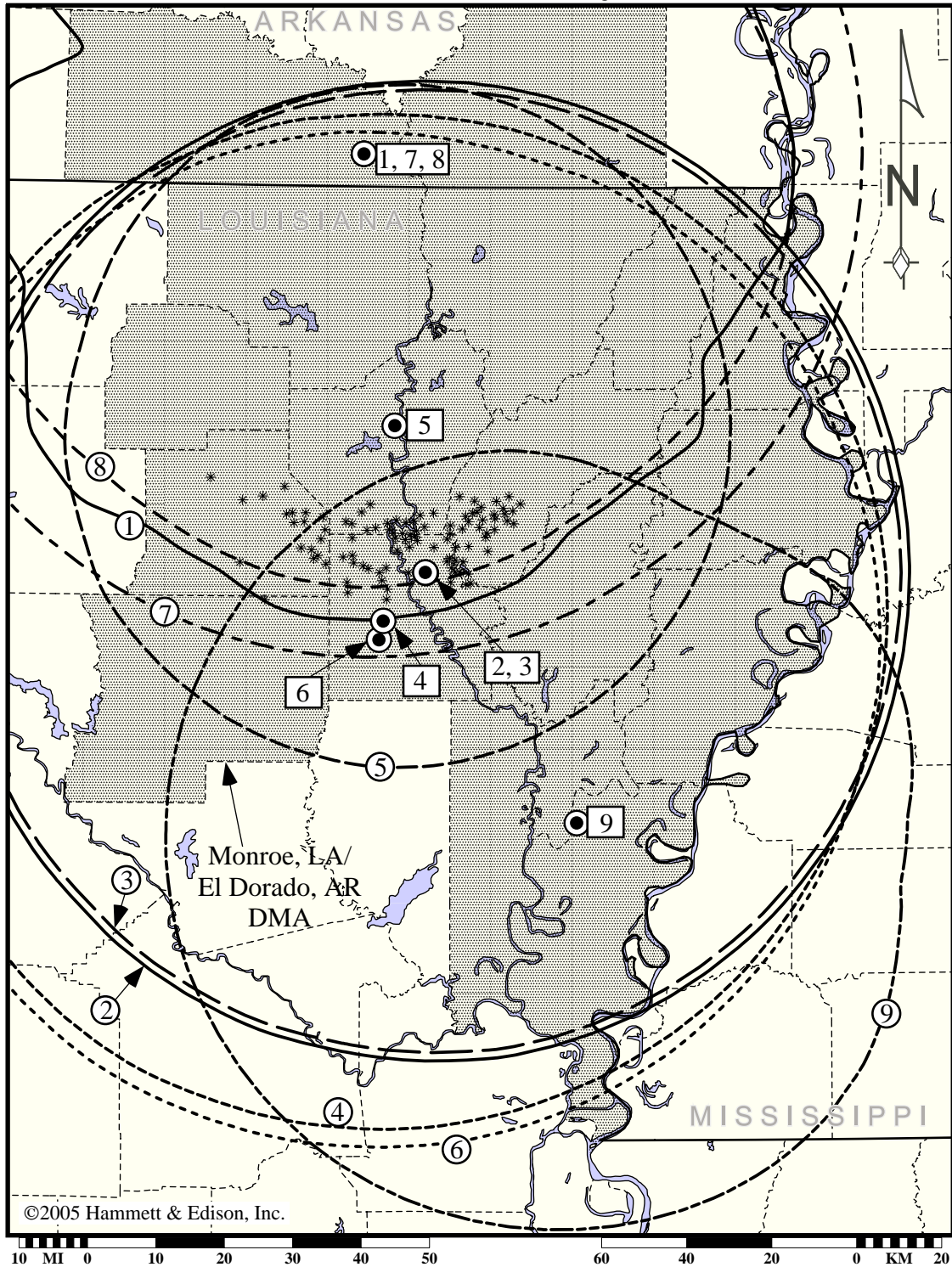
**D. Operation**

Channel	13
Effective Radiated Power	18.0 kW



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Remaining DTV Services in Predicted Loss Area Based on  
KETZ-DT (CP) Interference Cells Caused by Proposed KLTM-DT Operation  
Noise-Limited Contour Projections



\* = Predicted Incremental Interference In Cell Totaling 1.48% of KETZ-DT Service Population

Albers equal area map projection. Map data taken from Sectional Aeronautical Charts, published by the National Ocean Survey. County and state lines shown taken from 2000 U.S. Census Bureau TIGER data.



**HAMMETT & EDISON, INC.**  
CONSULTING ENGINEERS  
SAN FRANCISCO

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**Remaining DTV Services in Predicted Loss Area Based on  
KETZ-DT (P) Interference Cells Caused by Proposed KLTM-DT Operation  
Station Index and Evaluation Summary**

No.	Call Sign	Facility ID No.	Location
<u>Station Under Study</u>			
1.	KETZ-DT (CP)	92872	El Dorado, Arkansas
<u>Station Causing Predicted Interference Cells</u>			
2.	KLTM-DT (Proposed)	38589	Monroe, Louisiana
<u>Stations Providing Coverage to All Predicted Loss Cells</u>			
3.	KNOE-DT	48975	Monroe, Louisiana
4.	KARD-DT	3658	West Monroe, Louisiana
5.	KMCT-DT	38584	West Monroe, Louisiana
6.	KAQY-DT	52046	Columbia, Louisiana
7.	KTVE-DT	35692	El Dorado, Arkansas
<u>Stations Providing Coverage to Most Predicted Loss Cells</u>			
8.	KEJB-DT	84164	El Dorado, Arkansas
9.	WNTZ-DT	16539	Natchez, Mississippi

Note

Determinations based on projection of noise-limited contours,  
using FCC Form 381 basis selections for each listed facility.

